

**APPENDIX A**

**Sette et al.**

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Table XXIV. MHC-peptide binding assays: cell lines and radiolabeled ligands.

## A. Class I binding assays

Species	Antigen	Allele	Cell line	Radiolabeled peptide		SEQ ID NO:	Notes
				Source	Sequence		
Human	A1	A*0101	Steinlin	Hu. J chain 102-110	YTAVVPLVY	3539	no-NEN in PI-coektail
	A2	A*0201	JY	HBVc 18-27 F6->Y	FLPSDYFPSV	3540	no-NEN in PI-coektail
	A2	A*0202	P815 (transfected)	HBVc 18-27 F6->Y	FLPSDYFPSV	3540	no-NEN in PI-coektail
	A2	A*0203	FUN	HBVc 18-27 F6->Y	FLPSDYFPSV	3540	no-NEN in PI-coektail
	A2	A*0206	CLA	HBVc 18-27 F6->Y	FLPSDYFPSV	3540	no-NEN in PI-coektail
	A2	A*0207	21.221 (transfected)	HBVc 18-27 F6->Y	FLPSDYFPSV	3540	no-NEN in PI-coektail
	A3		GM3107	Non-natural (A3CON1)	KVFPYALINK	3541	no-NEN in PI-coektail
	A11		BVR	non-natural (A3CON1)	KVFPYALINK	3541	no-NEN in PI-coektail
	A24	A*2402	KAS116	non-natural (A24CON1)	AYIDNYNKF	3542	no-NEN in PI-coektail
	A31	A*3101	SPACH	non-natural (A3CON1)	KVFPYALINK	3541	no-NEN in PI-coektail
	A33	A*3301	LWAGS	non-natural (A3CON1)	KVFPYALINK	3541	no-NEN in PI-coektail
	A28/68	A*6801	C1R	HBVc 141-151 T7->Y	STLPETYVVR	3543	no-NEN in PI-coektail
	A28/68	A*6802	AMAI	HBV pol 646-654 C4->A	FTQAGYPAL	3544	no-NEN in PI-coektail
	B7	B*0702	GM3107	A2 sigal seq. 5-13 (L7->Y)	APRTLVL	3545	no-NEN in PI-coektail
	B8	B*0801	Steinlin	(Vgp 586-593 Y1->F, Q5->=	FLKDYQLL	3546	no-NEN in PI-coektail
	B27	B*2705	LG2	R 60s	FRYNGLIHR	3547	no-NEN in PI-coektail
	B35	B*3501	C1R, BVR	non-natural (B35CON2)	FPFKYAAAF	3548	no-NEN in PI-coektail
	B35	B*3502	TISI	non-natural (B35CON2)	FPFKYAAAF	3548	no-NEN in PI-coektail
	B35	B*3503	EHM	non-natural (B35CON2)	FPFKYAAAF	3548	no-NEN in PI-coektail
	B44	B*4403	PITOUT	EF-1 G6->Y	AEMGKYSFY	3549	no-NEN in PI-coektail
	B51		KAS1 16	non-natural (B35CON2)	FPFKYAAAF	3550	no-NEN in PI-coektail
	B53	B*5301	AMAI	non-natural (B35CON2)	FPFKYAAAF	3550	no-NEN in PI-coektail
	B54	B*5401	KT3	non-natural (B35CON2)	FPFKYAAAF	3550	no-NEN in PI-coektail
	Cw4	Cw*0401	C1R	non-natural (C4CON 1)	QYDDAVYKL	3551	no-NEN in PI-coektail
	Cw6	Cw*0602	721.221 transfected	non-natural (C6CON1)	YRHDGNNVL	3552	no-NEN in PI-coektail
	Cw7	Cw*0702	721.221 transfected	non-natural (C6CON1)	YRHDGNNVL	3552	no-NEN in PI-coektail
Mouse	D <sup>b</sup>		EL4	Adenovirus E1A P7->Y	SGPSNTYPEI	3353	no-NEN in PI-coektail
	K <sup>b</sup>		EL4	VSV NP 52-59	RGYVFQGL	3354	no-NEN in PI-coektail
	D <sup>d</sup>		P815	HIV-IIIB ENV G4->Y	RGYVFAFVTI	3355	no-NEN in PI-coektail
	K <sup>d</sup>		P815	non-natural (KdCON1)	KFNPMKTYI	3356	no-NEN in PI-coektail
	L <sup>d</sup>		P815	HBVs 28-39	IPQSLDSYWTSL	3357	no-NEN in PI-coektail

## B. Class II binding assays

Species	Antigen	Allele	Cell line	Radiolabeled peptide			SEQ ID NO:	Notes
				Source	Sequence	IC50 nM		
Human	DR1	DRB1*0101	LG2	HA Y307-319	YPKYVKQNTLKLAT	3558		
	DR2	DRB1*1501	L466.1	MBP 88-102Y	VHFFKNIIVTPRTPPY	3559		
	DR2	DRB1*1601	L242.5	non-natural (760.16)	YAAFAAAKTAATAFA	3560		
	DR3	DRB1*0301	MAT	MT 65kD Y3-13	YKTIADFDEEARR	3561		optimal assay pH is 4.:
	DR4w4	DRB1*0401	Preiss	non-natural (717.01)	YARFQSQTTLKQKT	3562		
	DR4w10	DRB1*0402	YAR	non-natural (717.10)	YARFQRQTTLKAAA	3563		
	DR4w14	DRB1*0404	BIN 40	non-natural (717.01)	YARFQSQTTLKQKT	3562		
	DR4w15	DRB1*0405	KT3	non-natural (717.01)	YARFQSQTTLKQKT	3562		
	DR7	DRB1*0701	Pitout	Tet. tox. 830-843	QYIKANSKFIGITE	3564		
	DR8	DRB1*0802	OLL	Tet. tox. 830-843	QYIKANSKFIGITE	3564		
	DR8	DRB1*0803	LUY	Tet. tox. 830-843	QYIKANSKFIGITE	3564		
	DR9	DRB1*0901	HID	Tet. tox. 830-843	QYIKANSKFIGITE	3564		
	DR11	DRB1*1101	Sweig	Tet. tox. 830-843	QYIKANSKFIGITE	3564		
	DR12	DRB1*1201	Herluf	unknown eluted peptide	EALIHQLKINPYVLS	3565		
	DR13	DRB1*1302	H0301	Tet. tox. 830-843 S->A	QYIKANAKFIGITE	3566		
	DR51	DRB5*0101	3M3107 or L416.:	Tet. tox. 830-843	QYIKANAKFIGITE	3566		
	DR51	DRB5*0201	L255.1	HA 307-319	PKYVKQNTLKLAT	3567		
	DR52	DRB3*0101	MAT	Tet. tox. 830-843	NGQIGNDPNRDIL	3568		
	DR53	DRB4*0101	L257.6	non-natural (717.01)	YARFQSQTTLKQKT	3569		no NEM in PI mix
	DQ3.1	QA1*0301/DQ	PF	non-natural (ROIV)	AHAAHAAHAAHAAHAA	3570		
Mouse	IA <sup>b</sup>		DB27.4	non-natural (ROIV)	AHAAHAAHAAHAAHAA	3570		optimal assay pH is 5.:
	IA <sup>d</sup>		A20	non-natural (ROIV)	AHAAHAAHAAHAAHAA	3570		
	IA <sup>k</sup>		CH-12	HEL 46-61	YNTDGSTDYGILQINS	3571		optimal assay pH is 5.1
	IA <sup>s</sup>		LS 102.9	non-natural (ROIV)	AHAAHAAHAAHAAHAA	3570		
	IA <sup>u</sup>		91.7	non-natural (ROIV)	AHAAHAAHAAHAAHAA	3570		
	IE <sup>d</sup>		A20	Lambda repressor 12-26	YLEDARRKKA IYEKKK	3572		optimal assay pH is 5.4
	IE <sup>k</sup>		CH-12	Lambda repressor 12-26	YLEDARRKKA IYEKKK	3572		optimal assay pH is 5.4